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# LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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## NEW BOOKS

ADVANCES IN AGRONOMY, edited by A. G. Norman. Vol. II. Academic Press, 1950.

This series sponsored by the American Society of Agronomy, presents surveys of new developments in agronomic research and practice. This, the second volume in the series, contains papers on cotton, soil nitrogen, vegetable production, ladino clover, the control of soil water, preservation and storage of forage crops, irrigated pastures.

THE ART OF RAPID READING, By W. B. Fitkin. Grosset & Dunlap, 1929. 233 p. 145 P68

If you are one of the many USDA employees who say "there is just too much to read" you will want to find time to read this book. It is a quick, tested method for speeding up your rate of reading and improving your reading ease and enjoyment. Dozens of special exercises to improve your vocabulary, strengthen your power of concentration and develop real reading efficiency are included.

BIG HUGH, THE FATHER OF SOIL CONSERVATION, By Wellington Brink. Macmillan, 1951. 167 p. 120 B43

With this biography, Wellington Brink, who has worked in close association with Bennett, joins the company of Osborn, Shepard and Bromfield. He traces Big Hugh's career from his boyhood on his father's North Carolina farm, through his numerous fiery battles with reluctant officials and an indifferent public, to brilliant success as Chief of the Soil Conservation Service. Fegged to the energetic life of Bennett, the book outlines the development of the American soil conservation program. Highlighting the nation-wide scope of the program are the nontechnical case studies of erosion and later rebuilding of the land in many areas of the country.

THE ECOLOGY OF ANIMALS, By C. S. Elton. London, Methuen, 1950. 97 p. 411 ELSE

One of a series of monographs giving a brief, authoritative account of the present state of knowledge in the field of biology. This study reviews the scope of animal ecology, describes the ecological survey, animal inter-relationships, habitats, and methods used to determine numbers of animals, rates of increase, fluctuations in numbers etc. The concluding chapter deals with economic problems such as diseases, pests, and conservation. A list of references is included.

EFFECTIVE TALKING IN CONFERENCE, By J. M. Clepp. Ronald, 1948. 140 p.  
145.2 C53E

This book deals with one of the important and difficult responsibilities of a busy man, his handling of the informal discussion of conferences and small meetings. Important because it is in the intimate meetings of small groups that decisions are made and plans worked out. Difficult because full success in winning your point requires the precision of aim of public speaking as well as the naturalness of conversation.

FOREVER THE LAND; A COUNTRY CHRONICLE AND ANTHOLOGY, Edited and illustrated by Russell & Kate Lord. Harper, 1950. 394 p. 30.4 L88

This is a chronicle of the growth of a modern conservation movement generated by the first small group of Friends of the Land. The editor, one of the founders of the Friends of the Land, records the labors and achievements of the many people who are spreading knowledge about the care of the earth, the use of soil and water and their meaning to man. Accompanying the Chronicle is an Anthology of the best that has been written by and for Friends of the Land: Louis Bromfield, Stuart Chase, Robert Flaherty, John Dos Passos, David Cushman Coyle, Hugh H. Bennett, to name a few, in prose and in verse. The subjects range from an old-fashioned Christmas in the country to modern wonders of the TVA; but through all of them runs a thread of deep feeling for the soil and the satisfactions of country life.

LABORATORY MANUAL IN SOIL MECHANICS, By R. F. Dawson. Pitman, 1949. 177 p.  
56.43 D32

Many of the tests described in this manual follow the standard methods prescribed by the American Society for Testing Materials and the American Association of State Highway Officials. Some important tests, omitted in the standards of these organizations, have been included in the manual and all tests have been written up in more detail.

LAND PROBLEMS AND POLICIES, Edited by J. P. Timmons and W. G. Murray. Ames, Iowa State College Press, 1950. 298 p. 282 T48

Here is an authoritative discussion of the problems we face in developing a sound land policy in this country. The fifteen contributing authors are recognized leaders in the field of land policy. They discuss such problems as ...

Will our soil continue to feed an ever-increasing population?

How can public interest in the use of private land be protected from private exploitation?

What should be our land policy?

Will our soil support the demands of another war?

If you are trying to answer questions like these you will find the views presented in this book stimulating and a key to what prominent land economists offer as solutions.

PRINTING AND PROMOTION HANDBOOK; HOW TO PLAN, PRODUCE, AND USE PRINTING, ADVERTISING, AND DIRECT MAIL, By Daniel Melcher and Nancy Larrick. McGraw-Hill, 1949. 386 p. 233 M48

Every USDA employee concerned with information and public relations work will want to get acquainted with this new handbook. It shows you how to plan, order



and use circulars, pamphlets, catalogs, posters, letters, labels, signs, advertisements, displays, periodicals, direct mail, art work, mailing services and type sizes. Here is authoritative information on a wide variety of subjects, and the convenient alphabetical arrangement of material will aid you in finding the information you want quickly.

PUMP HANDBOOK, By V. C. Finch. National Press, 1948. 202 p. 291 F49

"This book is designed to make it easy for anyone concerned with pumps to acquire sufficient knowledge to enable him to select the right pump, to know when a pump is properly installed, and to keep it operating successfully and economically." - Preface

RECORDS MANAGEMENT AND FILING OPERATIONS, By M. K. Odell and E. F. Strong. McGraw-Hill, 1947. 342 p. 249.2 Od2

A guide to records-department operations which gives many suggestions to aid management in establishing and maintaining a records department, and the records employee in performing the functions of the department more effectively. The book discusses control of records, organization, location and layout, equipment, filing, transfer, retention and disposal of records, reports, statistics and personnel training.

RURAL SOCIAL SYSTEMS, A TEXTBOOK IN RURAL SOCIOLOGY AND ANTHROPOLOGY, By C. F. Loomis and J. A. Beegle. Prentice-Hall, 1950. 873 p. 281.2 L87R

Throughout this book emphasis has been placed on the small informal group which is variously termed the clique, informal friendship, or mutual-aid group. This is important since this group has been overlooked by many rural sociologists. The concept is the same as that on which the work with "neighbor groups" in SCS has been based, and the book will be of particular interest to SCS employees working with farmer groups. It should prove of equal interest to all agricultural workers as a guide to developing effective methods for understanding and working with rural people and their leaders in educational and promotional activities, and particularly in administering action programs.

SERVICING AND MAINTAINING FARM TRACTORS, By E. J. Johnson and A. H. Hollenberg. McGraw-Hill, 1950. 313 p., illus. 58 J63

The new age of farm mechanization has brought about significant advances in farming methods together with many new demands upon the farmer. The foremost of these demands is the need for farmers to provide the proper care, operation and maintenance of power farming equipment, particularly the tractor.

This book outlines a servicing and maintenance program then gives detailed instructions for lubricating the chassis, engine and transmission and servicing and maintaining air cleaners, electrical systems, fuel systems and air cooling systems. There is also information on tractor safety, locating troubles and making repairs, and cleaning, painting and storing farm tractors. The authors are agricultural education specialists with the U. S. Office of Education.

SUN IN THE SKY, By W. C. O'Kane. Univ. of Oklahoma Press, 1950. 261 p. 138 Ok1

The Hopi Indians of Arizona represent a civilization that antedates the coming of the first white man to America. In this book the ingenious

agriculture of the Hopis on the arid sands, the construction and furnishings of their houses, their dress, personal traits and character are discussed with clarity and exactness.

Land use and water problems are a part of the book, and conservationists will find it of interest because of its historical value and the references to land use and water resources.

TESTED TRAINING TECHNIQUES, By K. B. Haas. Prentice-Hall, 1950. 111 p.  
249.3 H11

This is a refreshingly different type of personnel training book, cleverly illustrated with cartoons by Robert L. Deschamp. The authors use a lively style to give the reader sound information on developing and improving training techniques. The book was highly recommended in the June 19, 1950 issue of U.S.D.A.

WHAT WE LEARNED IN PUBLIC ADMINISTRATION DURING THE WAR. LECTURES. U. S. Dept. of Agriculture. Graduate School. Washington, 1949. 131 p. 1 Ag854Wh

A series of lectures given in the fall of 1946 for the purpose of reviewing Federal administration experience during the war and of relating this experience to the problems of administration.

Contents.- Top-Level Coordination of Wartime Programs, by J. Donald Kingsley.- Top Management in the War Agencies, by Bernard L. Gladioux.- Washington-Field Relationships, by Charles S. Ascher.- Relationships between Congress and the Executive Branch, by Estes Kefauver.- National-State Relations During the War, by William Anderson.- Informing the People, by Neil Dalton.- Management Improvement Techniques, by L. W. Hoelscher.- Lessons of the War - A Summary, by Herbert Emmerich.- Appendix: Management Control in the Army Services Forces, by Major General C. F. Robinson.

#### NEW PERIODICALS

Let us know if you wish to see these on circulation.

#### OUR PUBLIC LANDS Q.

Published by the U. S. Bureau of Land Management as a forum for the exchange of ideas and information on the development, utilization, and conservation of the resources on public lands. Partial contents of the first issue: Public Lands today, by Marion Clawson; Needs and opportunities - conservation of the public range, by Karl S. Landstrom; Halogton, recognize it! fight it! by Kenneth B. Platt.

#### RESEARCH NOTES Irr.

Published at irregular intervals by the Forest, Wildlife and Range Experiment Station of the University of Idaho. This new series is intended as a medium for publication of brief reports on research in progress in the fields of forest management and protection, range and wildlife management and wood utilization.



## AGRICULTURE APPROPRIATIONS

DEPARTMENT OF AGRICULTURE APPROPRIATIONS FOR 1952. Hearings. Pts. 1 and 2.  
1 Ag81Hes

Part 1 contains the Hearings on:

Bur. of Animal Industry  
Forest Service  
Production and Marketing Admin.  
Bur. of Plant Industry, Soils & Agr. Eng.

Part 2 contains the Hearings on:

Soil Conservation Service  
Farmers Home Administration  
Bur. of Entomology & Plant Quar.

### NEW BULLETINS

#### AGRICULTURAL ECONOMICS

- AGRICULTURAL ECONOMIC AND STATISTICAL PUBLICATIONS. U. S. Bur. of Agr. Econ.  
69 p. Washington, D. C., 1951. 1.941 E8Ag8
- ARIZONA. AGRICULTURE EXPERIMENT STATION. Sixtieth annual report for the year  
ending June 30, 1949. 70 p. Tucson, 1950. 100 Ar4A
- BARBER, E. L. Meeting weather risks in Kansas wheat farming. Kansas Agr. Exp.  
Sta. Agr. Econ. Rpt. No. 44, 30 p. Manhattan, 1950. 281.9 K132
- BARR, G. W. Arizona agriculture 1950, production, income, and costs. Ariz.  
Agr. Exp. Sta. Bul. 232, 17 p. Tucson, 1951. 100 Ar4B
- CIRIACY-WANTROP, S. V. Dollars and sense in conservation. Calif. Agr. Exp.  
Sta. Circ. 402, 39 p. Berkeley, 1951. 100 C12Sc
- COLORADO AGRICULTURAL STATISTICS 1948 and 1949. Colo. Dept. of Agr. and U. S.  
Bur. of Agr. Econ. 93 p. Denver, 1951. 252.11 C71c  
Gives crop statistics by county and includes historical tables from 1935  
and a state summary for 1950.
- CUNNINGHAM, J. E. and CASE, H. C. M. Father-son farm business agreements. Ill.  
Ext. Serv. Circ. 587, 24 p. Urbana, 1944. 275.29 I16c
- ESTABLISHMENT OF WHEAT ACREAGE ALLOTMENTS UNDER PRESENT LEGISLATION. U. S. Prod.  
and Market. Admin., Grain Branch. 1950. 6 p. 1.956 G76Es8
- FOOD AND AGRICULTURE ORGANIZATION. Work of FAO 1949/50. Report of the Director-  
General. Washington, D. C., 1950. 89 p. 289.9 F735Dg
- FOOD AND AGRICULTURE ORGANIZATION. World outlook and state of food and agricul-  
ture 1950. Washington, D. C., 1950. 81 p. 389.9 F735St
- FOOTE, R. J. and SCHOLL, J. C. Analysis of crop-weather relationships (progress  
report) U. S. Bur. of Agr. Econ. Washington, D. C., 1950. 22 p.  
1.941 A2An1
- FUQUA, O. Farm real estate activity in twelve western counties 1941-48. U. S.  
Bur. of Agr. Econ. Washington, D. C., 1950. 53 p. 1.941 L8F224
- JOHNSTON, H. L. Rural health cooperatives. U. S. Farm Credit Admin. Bul. 60,  
91 p. Washington, D. C., 1950. 166.2 B87
- MORRISON, W. W. Preparing strawberries for market. USDA Farmers' Bul. No. 1560,  
16 p. Rev. 1950. 1 Ag84F
- THOMPSON, MARSHALL. Some questions and answers on where and how to get a farm.  
USDA Leaflet No. 299, 4 p. Rev. 1950. 1 Ag841
- U. S. RURAL ELECTRIFICATION ADMINISTRATION. 1949 annual statistical report.  
Washington, D. C., n.d. 123 p. 1.933 F49

## AGRICULTURAL ENGINEERING

- DAY, E. L. and BILN, CORABELL. Farm, home, and community uses of electricity. USDA Library list No. 54, 30 p. 1951. 1.916 L612
- DRAWBAUGH, C. O. and MOWERY, A. S. Plywood self-feeder for swine. Pa. Agr. Exp. Sta. Progress Rpt. No. 39, 4 p. State College, 1950. 100 P38P
- EXPANSIBLE FARMHOUSES. USDA Leaflet No. 301, 4 p. 1951. 1 Ag84L
- FOSTER, G. H. A drying bin for shelled corn and small grain. Purdue Agr. Exp. Sta. Circ. 365, 8 p. Lafayette, Ind., 1950. 100 In2Fc
- ISRAELSEN, O. W., PETERSON, D. F., Jr., and KEEFE, R. C. Effectiveness of gravity drains and experimental pumping for drainage Delta Area, Utah. Utah Agr. Exp. Sta. Bul. 345, 64 p. Logan, 1950. 100 Utlb
- KARSTENS, G. A. and HARKER, D. H. Farm drainage in ten easy lessons. Ind. Agr. Ext. Serv. Bul. 269, 16 p. Lafayette, Ind., 1950. 275.29 In2E
- MCCORDY, J. A. and OLVER, E. F. Adequate farm wiring. Pa. Agr. Ext. Serv. Circ. 373, 25 p. State College, 1950. 275.29 P38C
- MOWERY, A. S., BRESSLER, G. O. and SPRAGUE, D. C. A Mechanical cleaner for dropping pits. Pa. Agr. Exp. Sta. Progress Rpt. No. 37, 4 p. State College, 1950. 100 P38P
- PALMER, R. W. and SULLIVAN, WALLACE. Planning a small farm home. Calif. Agr. Ext. Serv. Circ. 163, 19 p. Berkeley, 1950. 275.29 C12C
- PHACON, C. V. Farm sewage disposal. Okla. Ext. Serv. Circ. 339, 15 p. Stillwater, n.d. 275.29 Ok410C
- STEDRONSKY, V. L. and SHAW, C. S. The Flow-through lint-cotton cleaner. USDA Circ. No. 358, 30 p. 1950. 1 Ag84C
- STIPPLER, H. H. and PETERSON, A. W. Electricity on farms in northwestern Washington. U. S. Bur. of Agr. Econ. FM-77, 105 p. Washington, D. C., 1950. 1.941 L6F22
- U. S. BUREAU OF PLANT INDUSTRY, SOILS AND AGRICULTURAL ENGINEERING. Plans of farm buildings for northeastern states. USDA Misc. Pub. No. 278, 126 p. Rev. 1950. 1 Ag84M
- WOLFE, JOHN W. A pumping manual for irrigation and drainage. Ore. Agr. Exp. Sta. Bul. 481, 39 p. Corvallis, 1950. 100 Or3b
- WOOD, W. S. and OATES, W. J. A general purpose farm sprayer. Okla. Agr. Exp. Sta. Bul. B-363, 14 p. Stillwater, 1951. 100 Ok4b

## COTTON

- BENNETT, C. A. and GERDES, F. L. Effects of feeds and saw speeds on cotton turn-out and quality. USDA Leaflet No. 151, 4 p. 1951. 1 Ag84L
- BLANK, L. M. and LEYENDECKER, P. J., JR. Spread of verticillium wilt to disease-free soils by infected cotton stalks. N. M. Agr. Exp. Sta. Press Bul. 1044, 3 p. State College, 1950. 100 N46Sp
- BLOODWORTH, M. E. and others. A tractor-mounted spray for cotton defoliation. Tex. Agr. Exp. Sta. Prog. Rpt. 1284, 4 p. College Station, 1950. 100 T31Pr
- CHAPMAN, W. E., JR. and others. Cost and quality of cotton ginning in the lower Rio Grande Valley of Texas, seasons 1947 and 1948. U. S. Prod. and Market. Admin., Cotton Br. Washington, D. C., 1950. 50 p. 1.956 C82C8244
- COTTON DISEASE COUNCIL. THE COMMITTEE ON COTTON SEEDLING DISEASES. Cottonseed treatment: its effect on seedling emergence, seedling survival, plant stands, and yields. USDA Tech. Bul. 1025, 134 p. 1950. 1 Ag84Te
- HUBBARD, J. L. and others. Cotton variety tests in the lower Rio Grande Valley, 1950. Tex. Agr. Exp. Sta. Prog. Rpt. 1268, 6 p. College Station, 1950. 100 T31Pr



## COTTON--Continued.

- LEYENDECKER, P. J., JR. Effects of certain cultural practices on verticillium wilt of cotton in New Mexico. N. M. Agr. Exp. Sta. Bul. 356, 28 p. State College, 1950. 100 N46Sb
- McLURE, J. H. Market outlets for extra long staple cotton in the United States. USDA Agr. Inf. Bul. No. 33, 50 p. Washington, D. C. 1950. 1 Ag34Ab

## ENTOMOLOGY

- KNOWLTON, G. F. Cutworm control. Utah Ext. Bul. No. 214, 2 p. Logan, n.d. 275.29 Utlb
- KNOWLTON, G. F. and BINNS, WAYNE. Cattle lice control. Utah Ext. Bul. No. 215, 2 p. Logan, n.d. 275.29 Utlb
- KNOWLTON, G. F., LIEBERMAN, F. V. and SNOW, S. J. Alfalfa weevil control. Utah Ext. Bul. No. 220, 2 p. Logan, n.d. 275.29 Utlb
- KNOWLTON, G. F., LIEBERMAN, F. V. and SORENSON, C. J. Lygus bug control for alfalfa seed production. Utah Ext. Bul. No. 221, 2 p. Logan, n.d. 275.29 Utlb
- MUNUSAN, HENRY, JR. Spittle bug control on alfalfa and clover. Pa. Agr. Ext. Serv. Leaflet 144, 3 p. State College, 1951. 275.29 P38L
- SNYDER, T. E. Control of nonsubterranean termites. USDA Farmers' Bul. No. 2018, 16 p. 1950. 1 Ag34F
- SORENSON, C. J. and KNOWLTON, G. F. Alfalfa and clover seed chalcid. Utah Ext. Bul. No. 219, 2 p. Logan, n.d. 275.29 Utlb
- VAN RIVER, W. Guide to some common Colorado spiders. Univ. of Colo. Museum Leaflet No. 8, 25 p. Boulder, 1951. WFC

## FORESTRY

- HALLIN, W. E. Unit area control in California forests. U. S. Calif. Forest and Range Exp. Sta., Forest Research Notes No. 77, 6 p. Berkeley, 1951. 1.9 F7626R
- NATIONAL FOREST FACTS. Southwestern Region, Arizona and New Mexico, 1951. Albuquerque, 1951. 35 p. 1.9621 K3St2
- NATIONAL-FOREST VACATIONS. U. S. Forest Service. Washington, D. C., 1950. 60 p. 1 F769Naf
- NEETZEL, J. R. and EAGENE, S. A. What do fence posts cost on an annual basis? U. S. Lake States Forest Exp. Sta. Tech. Note No. 341, 2 p. St. Paul, 1950. 1.9622 L2W55
- RUTH, R. H. and SILEN, R. R. Suggestions for getting more forestry in the logging plan. U. S. Pacific Northwest Forest and Range Exp. Sta. Research Notes No. 72, 15 p. Portland, 1950. 1.9 F7629Fr
- U. S. INTERMOUNTAIN FOREST & RANGE EXPERIMENT STATION. Annual report 1950. Ogden, 1950. 70 p. 1.9622 I2An7
- U. S. ROCKY MOUNTAIN FOREST & RANGE EXPERIMENT STATION. 1950 annual report. Fort Collins, 1950. 60 p. 1.9622 R2An7
- VINTHER, D. H. 1950 addition to staff publications, California Forest and Range Experiment Station. U. S. Calif. Forest and Range Exp. Sta. Berkeley, 1951. 7 p. 1.9 F762St
- WORTHINGTON, N. F. and TREADAL, M. F. Contents of a cord of eight-foot pulpwood. U. S. Pacific Northwest Forest and Range Exp. Sta. Research Note No. 69, 6 p. Portland, Oreg., 1950. 1.9 F7629Fr

## HORTICULTURE

- ANDERSON, I. V. Lignin for golf greens and other horticultural uses. U. S. Northern Rocky Mountain Forest and Range Exp. Sta. Research Note No. 87, 4 p. Missoula, 1951. 1.9622 N3831
- BATJER, L. P. and HOFFMAN, M. B. Fruit thinning with chemical sprays. USDA Circ. No. 367, 46 p. 1951. 1 Ag84C
- HANSEN, C. J. and EGGER, E. R. Propagation of fruit plants. Calif. Agr. Ext. Serv. Circ. 96, 57 p. Berkeley, rev. 1951. 275.29 C12C
- ISENBERG, F. M. and ODLAND, M. L. Comparative effects of various organic mulches and clean cultivation on yields of certain vegetable crops. Pa. Agr. Exp. Sta. Prog. Rpt. No. 35, 10 p. State College, 1950. 100 P38p
- JOHNSON, E. W. Ornamental shrubs for the Southern Great Plains. USDA Farmers' Bul. No. 2025, 62 p. 1951. 1 Ag84F
- ROSE, D. H., COOK, H. T. and REDDIT, W. H. Harvesting, handling, and transportation of citrus fruits. A digest of information on the subject published mostly from 1938 to 1948. USDA Bibliographical Bul. No. 13, 173 p. 1 Ag84Bi
- SNYDER, J. C. Strawberry growing in Washington. Wash. Ext. Serv. Bul. No. 246, 50 p. Pullman, rev. 1950. 275.29 W27B
- TALBERT, T. J. Propagation of fruit trees by budding and grafting. Mo. Agr. Exp. Sta. Circ. 343, 16 p. Columbia, 1950. 100 M693c

## LIVESTOCK

- BEEF CATTLE INVESTIGATIONS IN TEXAS, 1888-1950. Tex. Agr. Exp. Sta. Bul. 724, 79 p. College Station, 1950. 100 T31Sb
- BOGART, R. and BLACKWELL, R. L. More beef with less feed. Oreg. Agr. Exp. Sta. Bul. 453, 4 p. Corvallis, 1950. 100 Or3b
- BULLARD, J. F. Mastitis or garget in cattle. Ind. Agr. Ext. Serv. Bul. 358, 12 p. Lafayette, 1950. 275.29 In2E
- DIMOCK, W. F. Fertility and infertility of stallions. Ky. Agr. Exp. Sta. Circ. 68, 18 p. Lexington, 1950. 100 K415C
- HODGSON, R. E. Our dairy cows could use more good roughage. U. S. Bur. of Dairy Ind. BDI-Inf-115, 14 p. 1951. 1.973 D4B34
- JONES, J. M. and others. Bone meal and limestone supplements in calf fattening rations. Tex. Agr. Exp. Sta. Prog. Rpt. 1283, 5 p. College Station, 1950. 100 T31Pr
- LeCOMPTE, G. C. The development of scorable sheep-branding fluids. U. S. Prod. and Market. Admin., Livestock Br. Washington, D. C., 1950. 10 p. 1.956 L75D49
- McCOMAS, E. W. Beef production on the farm. USDA Farmers' Bul. No. 1592, 14 p. Rev. 1950. 1 Ag84F
- MELTON, A. A. and others. Ground cotton stalks, ground gin trash and cottonseed hulls in rations for growing yearling steers. Tex. Agr. Exp. Sta. Prog. Rpt. 1277, 3 p. College Station, 1950. 100 T31Pr
- MERILAN, C. F. and others. The reliability of various diagnostic tests and the efficiency of certain therapeutic measures in control of mastitis. Mo. Agr. Exp. Sta. Research Bul. 454, 26 p. Columbia, 1950. 100 M693r
- MOORE, L. A. New ideas on protein in dairy-cow rations. U. S. Bur. of Dairy Ind. BDI-Inf-116, 3 p. 1951. 1.973 D4B34
- MOORE, L. A. New values in good hay and silage for dairy cows. U. S. Bur. of Dairy Ind. BDI-Inf-117, 10 p. 1951. 1.973 D4B34



## LIVESTOCK--Continued.

- NELSON, O. M. and others. Importance of ram breed in fat lamb production. Oreg. Agr. Exp. Sta. Bul. 489, 4 p. Corvallis, 1950. 100 Or30i
- RAISING DAIRY CALVES. Raising calves to maintain and improve the dairy herd. Wash. Ext. Serv. Bul. No. 269, 31 p. Pullman, rev. 1950. 275.29 W27B
- RIGGS, J. K. and others. Self-feeding mixtures of salt and cottonseed meal to beef breeding cows wintering on pasture. Tex. Agr. Exp. Sta. Prog. Rpt. 1276, 4 p. College Station, 1950. 100 131Fr
- TURK, K. L. and CRANDALL, W. T. Feeding the dairy cow efficiently. N. Y. (Cornell) Ext. Bul. 363, 55 p. Ithaca, rev. 1950. 275.29 N48E
- von BERGEN, W. The value of scourable sheep-branding fluids in wool manufacturing. U. S. Prod. and Market. Admin., Livestock Br. Washington, D. C., 1950. 13 p. 1.956 L75D49v
- WARWICK, E. J. and WILEY, J. R. Progress in inbred lines of swine and their uses in crosses. Indiana Agr. Exp. Sta. Bul. 552, 31 p. Lafayette, 1950. 100 In2Pb
- WEBER, A. D. and others. Beef cattle feeding and grazing investigations for 1947-48. Kansas Agr. Exp. Sta. Circ. 260, 15 p. Manhattan, 1950. 100 K13c
- WEBER, A. D. and others. Beef cattle feeding and grazing investigations for 1948-49. Kansas Agr. Exp. Sta. Circ. 261, 15 p. Manhattan, 1950. 100 K13c

## SEEDS

- DIETRICH, I. T. Grass seed production. N. D. Ext. Serv. Circ. A-139, 4 p. Fargo, 1950. 275.29 N812
- GAUSMAN, C. E. Growing alfalfa for seed in Colorado. Colo. Ext. Serv. Circ. 163-A, 11 p. Fort Collins, 1950. 275.29 C71C
- HAMILTON, L. F. and WOOLTON, W. M. Grass seed production. Ariz. Agr. Exp. Sta. Bul. 228, 40 p. Tucson, 1950. 100 Ar4B
- ISAAC, L. A. Seed crop prospects for 1951. Pacific Northwest Forest and Range Exp. Sta. Research Notes No. 73, 2 p. Portland, 1950. 1.9 F7629Fr
- SEED TRADE BUYERS GUIDE, 1951. 34th edition. Chicago, Seed World Publications, 1951. 270 p. 225 Sc3
- WOLFE, H. H. and WOLFE, L. G. Grass seed production in Nebraska. Neb. Ext. Serv. Circ. 188, 11 p. Lincoln, 1950. 275.29 N272Ex
- WOODROW, A. W. and APP, B. A. Thresher and separator for red clover seed samples. U. S. Bur. of Ent. and Plant Quar. ET-291, 6 p. 1950. 1.9 En83Et

## SOIL CONSERVATION

- BERGE, G. I. and BRUHN, H. D. Flows and plowing. Wisc. Ext. Serv. Circ. 16, 3 p. Madison, 1950. 275.29 W75Sc
- BORELL, A. E. Russian-olive for wildlife and good land use. USDA Leaflet No. 292, 3 p. 1951. 1 Ag84L
- HATCHER, H. Better living through wise use of resources. U. S. Office of Educ. Bul. No. 15, 76 p. 1950. 156.3 B87
- JAMES, M. S. and others. Physical land conditions in the Fredonia Soil Conservation District Arizona. Ariz. Agr. Exp. Sta. Bul. 231, 19 p. Tucson, 1950. 100 Ar4B
- REITZ, W. W. How to recognize erosion in the Northeast. USDA Agr. Info. Bul. No. 27, 16 p. 1950. 1 Ag84Ab

SOIL CONSERVATION--Continued.

SOIL, WATER, AND CROP MANAGEMENT INVESTIGATIONS IN THE COLUMBIA BASIN PROJECT.  
Wash. Agr. Exp. Sta. Bul. No. 520, 75 p. Pullman, 1950. 100 W27Eb  
STEELE, J. G. The measure of our land. USDA FA-128, 17 p. 1951. 1 Ag84Pro  
U. S. SOIL CONSERVATION SERVICE. Report of the Chief, 1950. 78 p. 1 Ag84  
The 1950 reports of other USDA agencies are also available.

SOIL--FERTILIZER

FOSTER, A. C. Some plant responses to certain insecticides in the soil. USDA  
Circ. No. 862, 41 p. 1951. 1 Ag84C  
GRAHAM, E. R. Testing Missouri soils. Mo. Agr. Exp. Sta. Circ. 345, 23 p.  
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